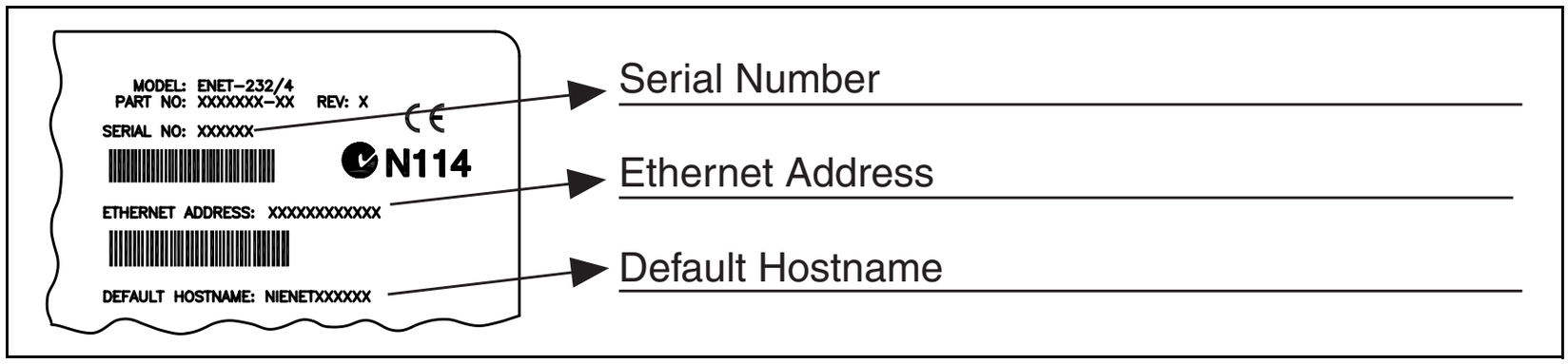
Getting Started with Your Serial Device Server for Linux *x*86/Solaris 2.*x*

Note *NI ENET-Serial User Manual* refers to the *ENET-232 Series and ENET-485 Series User Manual for Linux x86/Solaris 2.x* in the `NIserial/Enet` subdirectory of your installation.

Follow these steps to install your serial device server software and hardware:

1. Log in as `root` and insert the CD. Install the NI Serial device server software by running the installation script `INSTALL` from the `VISA` subdirectory of the appropriate operating system directory.
2. Record the following information from the baseplate label here:



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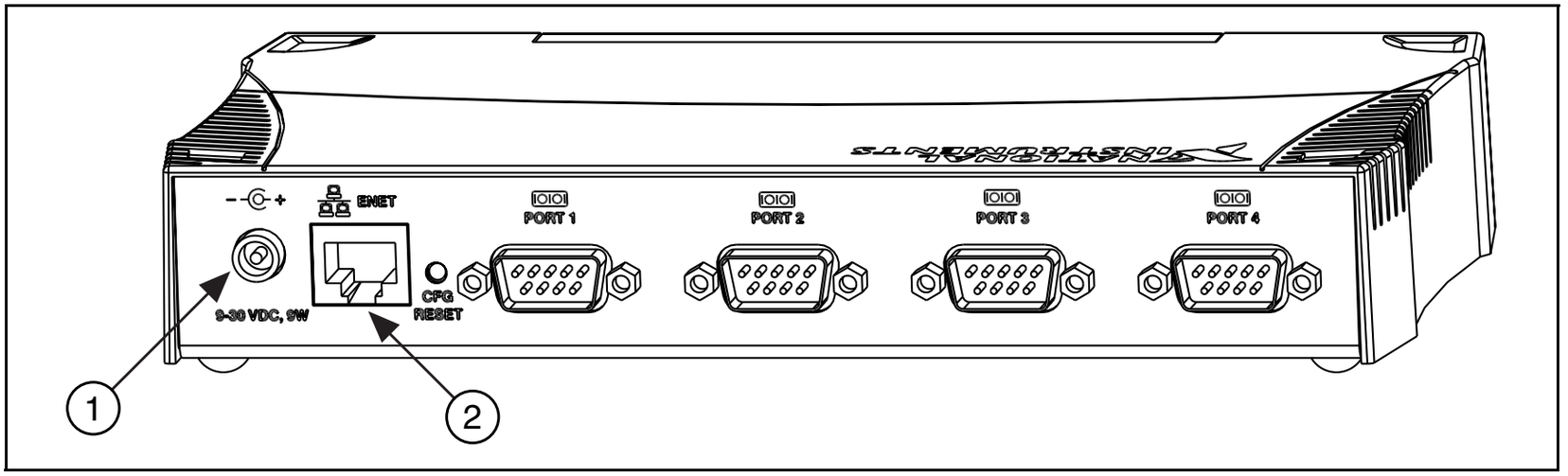
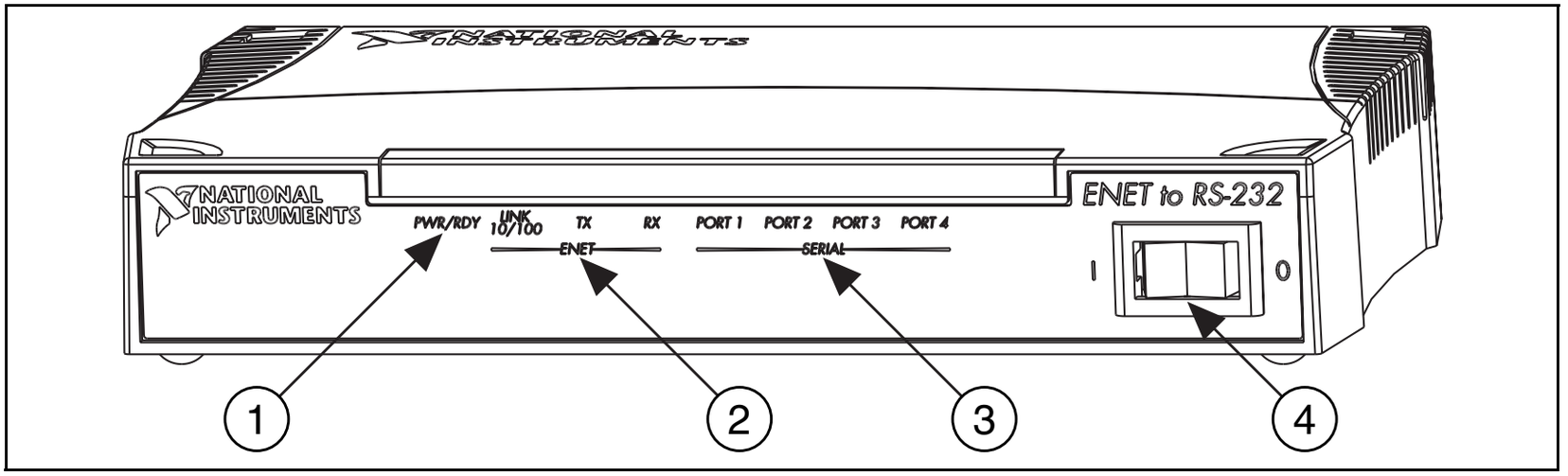
3. Connect the power and Ethernet cables.



1	Power Connection	2	Ethernet Connection

4. Power on the serial device server.



1	PWR/RDY LED	3	Serial Port LEDs
2	Ethernet LEDs	4	Power Switch

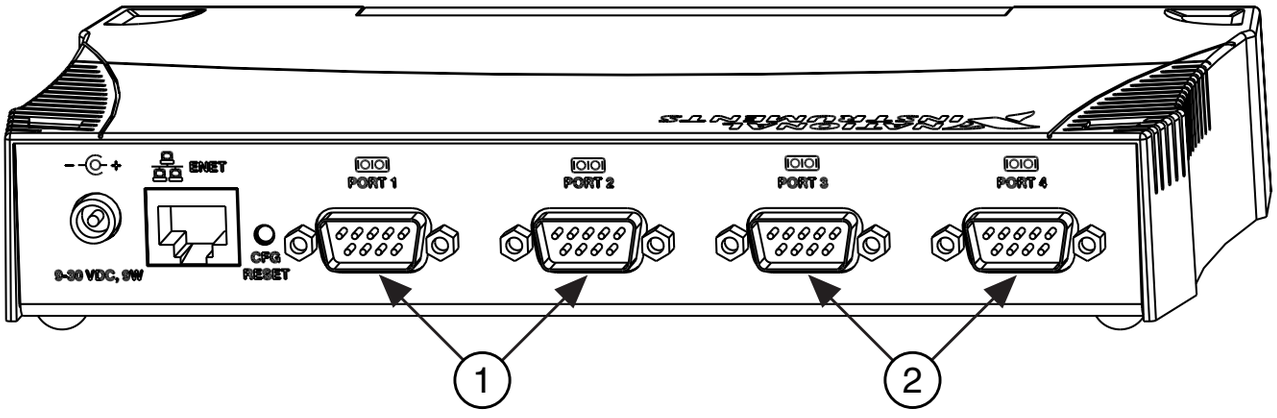
5. Wait up to 90 seconds and observe the PWR/RDY LED for the following output:
   - **Steady yellow**—Device was automatically configured. Go to step 6.
   - **Steady red**—Contact National Instruments.
   - **Slow blinking pattern**—See Appendix B, *PWR/RDY RED Signaling*, in the *NI ENET-Serial User Manual* and contact National Instruments.
   - **Continues flickering rapidly**—See Chapter 3, *Ethernet Configuration*, in the *NI ENET-Serial User Manual* to configure your device manually.
6. Follow these steps to configure the NI Serial server software:
   a. Run `visaconf`, which is in the `NIvisa` subdirectory of your installation. Click **Add Static**, which brings up the **Add New Static Resource** window. From the **Select the interface** listbox, select **NI ENET Serial Box**.
   b. Fill in the **Hostname or IP address** box in one of the following ways:
      - If the serial device server is on the same subnet, click **Browse…**. This brings up the NI Ethernet Device Configuration window, from which you can highlight the appropriate device. Click **Select**. The **Hostname or IP address** box is filled automatically.
      - If DHCP configured the network parameters, type in the serial device server hostname. (Use the default hostname listed on the baseplate label unless you changed the hostname using NI Ethernet device configuration.) If DHCP did not configure the network parameters, type in the serial device server static IP address you configured using NI Ethernet device configuration. If you get any errors, refer to Appendix C, *Troubleshooting and Common Questions*, in the *NI ENET-Serial User Manual*.

c. Click **OK** to finish. The **VISA Configuration** window should now show the new static addition(s) under the **Ethernet Serial** node.

d. Exit **VISA Configuration**. If you see the question **`Do you wish to commit all your changes to VISA?`**, answer **Yes**.

7. To verify hardware and software installation, run `NIvisaic`, which is in the `NIvisa` subdirectory of your installation. `NIvisaic` attempts to open and close each port. If the test is successful, all ENET-Serial ports are under the **ASRL0 (ENET/Serial)** node; there are none under the **Unknown** node. If there is a failure, select any ENET-Serial port under the **Unknown** node and press **Enter**. This brings up a dialog box with a diagnostic message with more information on the error source. To troubleshoot the problem, refer to Appendix C, *Troubleshooting and Common Questions*, in the *NI ENET-Serial User Manual*.

8. Connect the serial devices to the serial ports.



1	Serial Ports 1 and 2	2	Serial Ports 3 and 4 (on 4-Port Models Only)

9. For further information, see the *NI ENET-Serial User Manual*.